

AT THE CALIFORNIA ACADEMY OF SCIENCES

APRIL MEETINGS

Dates & Times: Matinee, 2:30 p.m., Wednesday April 10
Evenings, 8:00 p.m., Wednesday and Thursday, April 10-11

Place: May Treat Morrison Auditorium

Speaker: Julian P. Donahue

Subject: "BUTTERFLY COLLECTING IN INDIA"

In 1961 and 1962, Julian Donahue returned to India (he had graduated from high school there) where he devoted 16 months to intensive collecting of butterflies throughout the subcontinent. His color slides reveal many facets of this colorful land that a tourist seldom if ever sees — from the tip of Cape Comorin to the Vale of Kashmir and from the deserts of Rajasthan to the jungles of Sikkim and Assam.

In addition to studying the butterflies of India (he accumulated some 16,000 specimens), he also was able to capture exciting close-ups of many birds of the area.

Mr. Donahue's collecting has taken him far afield: the Philippines, Java, Ceylon, Mexico, Costa Rica and most recently, Kenya. He received his Master's degree from Michigan State University with a thesis on the butterflies of Delhi, India, and is now completing requirements for his Ph.D. from the same institution.

In 1970 he left Michigan to join the staff of the Natural History Museum in Los Angeles where he is in charge of curating the huge collection of Lepidoptera (butterflies and moths). Although he still retains an interest in butterflies, his research now is concentrated on moths, particularly tiger moths and "micros".

Three presentations as indicated and your membership card will admit you through the main entrance of Cowell Hall. At the matinee performance you will be asked to show it once again at the auditorium entrance.

MORRISON PLANETARIUM

"THE ENDS OF THE EARTH" is the featured sky show through April 21. Like every other entity in the Universe, the Earth was "born" and someday it will "die". What is the ultimate destiny of the third planet from the Sun?

Beginning April 25: "THE EMPEROR'S HEAVENS" which plays through June 16. For some fourteen centuries, astronomy lay dormant in the West. Halfway 'round the world, Chinese astronomers were making observations which are still of use today.

Performances daily at two with evening shows, Wednesday through Sunday, at eight. Extra matinees at 3:30 on Saturdays, Sundays and holidays. Closed Monday and Tuesday nights. Admission is one dollar for adults and half-price for those 17 and under. We would remind you that every Sunday afternoon at 4:45, the regular planetarium show is presented in Spanish.

SPECIAL MUSICAL EVENT

"CHAMBER MUSIC UNDER THE STARS" can be heard in Morrison Planetarium at eight o'clock on two evenings only — Saturday and Sunday, April 20-21. One could not ask for a more ideal setting for enjoying this style of music and the ever-changing surprises moving on the great dome of the Theatre of the Stars.

Four talented young musicians comprise the group: David Subke, the leader of the group and presently a member of the Oakland Symphony Orchestra is the oboist; Deborah Henry, flutist; Teressa Adams, cellist; and Jeanette Campbell, harpsichordist.

Seats are \$2.00 each and may be obtained at the planetarium business office or by writing Morrison Planetarium, Golden Gate Park, San Francisco 94118.

SPECIAL EXHIBITS

"SELECTIONS FROM THE RIETZ COLLECTION", in Cowell Hall for an indefinite period. This handsome assemblage of cooking paraphernalia garnered from around the world by the late Carl Austin Rietz is a treat in many respects — size, color, shape and origin. It is but part of a larger collection given the CAS by the Rietz family and concerns itself with everybody's preoccupation of collecting, storing, preserving and serving food. An added attraction, and stunning they

are, is a display of ancient, framed Peruvian fabrics lining the walls of Lovell White.

"ED JANSS AND FRIENDS", color photographs of a host of living organisms existing below the tides. The wide survey includes specimens from waters off our coast, the Galapagos, the Revillagigedo Island, the Sea of Cortez, Palau and the Caribbean. Continues through the end of April in the Hohfeld Gallery.

"PEOPLE/POPULATION" — a perceptive look at "us" — our numbers, what the future looms as, and — just what is homo sapiens up to? Lower Gallery, Cowell Hall.

"CETACEA", a major Academy display devoted to marine mammals. Continues indefinitely in Cowell Hall.

PLEASE NOTE

Herewith, advance notice of the dates of up-coming Academy membership meetings: May 8-9; June 12-13; and July 17-18.

News and Notes



Two proud and happy ladies donned hard hats for the symbolic earth-turning signifying the beginning of construction of both the Wattis Hall of Man and the Meyer Fish Roundabout. Pictured above are (left) Mrs. Wilson Meyer and (right) Mrs. Paul L. Wattis. These ladies are directly responsible for making the new additions to the Academy complex possible.

At the present time it is estimated that the extensions will be completed in approximately two years.

Hugh B. Leech, Associate Curator in the Department of Entomology, was honored by his friends and co-workers at a reception and dinner at the Academy on the evening of February 22. Though his retirement is in the not-too-distant future, Mr. Leech will be on leave of ab-

sence for the next months. His association with the CAS dates back to 1947. His particular field of interest in the world of insects is in Coleoptera (beetles).

After the convivial portion of the evening, the company assembled in Morrison Auditorium where the honoree was presented with a hefty volume of testimonial letters and a handsome gold watch. This was followed by a presentation of unusual color slides by Dr. Edward S. Ross and Mr. Stennett S. Heaton.

RECENT SCIENTIFIC PUBLICATIONS of the CALIFORNIA ACADEMY OF SCIENCES

Proceedings

"Muscular Anatomy of the Forelimb of the Sea Otter (*Enhydra lutris*)". L. D. Howard. Vol. XXXIX, No. 20. December 19, 1973. \$1.75

"A New Hawaiian Chiton, *Rhyssoplax linsleyi* (Mollusca Amphineura: Chitonidae)". Glenn E. Burghardt. Vol. XXXIX, No. 21. December 19, 1973. 35c

The Picture Collection has the welcome mat ready for new volunteer assistants who might like to join an enthusiastic work force sorting, filing, retrieving and identifying all kinds of pictures. Also, the department would welcome donations of natural history and similar magazines whose clips could be interpolated in the files. Johan Kooy, Department Chairman, will be glad to hear from you. Telephone 221-5100, Extension 73.

The National Science Foundation has made a grant to the Academy in the amount of \$20,200 for support of a research project entitled "The Herpetofauna of the Philippine Islands". The project will be under the direction of Walter C. Brown, Research Associate in the Department of Herpetology, and to Angel C. Alcala, Department of Biology and Sciences, Silliman University, P.I. The grant became effective March 1 and will continue through September 31, 1976.

A reminder from the Education Office that the following courses of instruction are still available for enrollment by interested Academy members:

"Introduction to Entomology": April 11 - May 28, 7-9 p.m., \$50. (This class meets both Tuesdays and Thursdays).

"Introduction to the Intertidal Invertebrates of the San Francisco Bay Region". Lectures on

May 4, May 18 and June 1. Field trips on May 12, May 25 and June 9. Lectures at 10:00 - 11:30 a.m., field trips vary. Fee: \$20.

For further information, telephone Lysbeth Fritz, 221-5100, Extension 11.

On February 6, Dr. Robert T. Orr, Associate Director of the Academy, was notified that he had been elected a member of the Council Committee on Fellows of the American Association for the Advancement of Science. He is one of but eight distinguished scientists responsible for the final selection of those nominated as Fellows by the Council as a whole. Dr. Orr himself has been a Fellow of the organization since 1958.

NEW MEMBERS OF THE ACADEMY

Regular Members

Mr. Miran T. Abgar
Ms. Joyce L. Abrams
Mr. Gary O. Alexander
Mr. Wendell W. Barnes
Miss Eva S. Bates
Mrs. Rilla M. Chaney
Dr. Thomas J. Chilis
Mr. Jon Cooke
Miss Barbara M. Creedon
Miss Barbara L. Curry
Dr. Charles K. Davenport
Mr. Harvey D. Davidson
Mrs. Andre de Limur
Mrs. William Dinsmore
Mr. Joseph B. Durra
Dana M. Eng
Mrs. Lynette T. Farber
Mr. Peter Freihofer
Dr. M. Michael Gassel
Mr. Scott Goldstein
Mrs. Hildegard Heims
Mr. Laurence Johnson
Dr. Andrew A. Kives
Mr. Alexis Lakusta
Mr. Robert Leet
Dr. Josef H. Lindholm, III

Mr. James Locke
Mr. Richard E. Main
Mrs. Elbridge P. Merrill
Mr. Gerald Mosheim
Mrs. Gloria G. Murray
Mrs. Richard Oliver
Miss Geraldine Puchowski
Mr. Robert T. Reed
Mr. William Roop
Miss Gale Rosenberg
Mr. Douglas Royce
Mr. Bill Sandeen
Mr. Robert Siegel
Mr. Ronald D. Smith
Miss Kathy Strobe
Miss Margaret Suber
The Taylors
Mr. Walter C. Teague
Miss Claudia J. Tessier
Mr. Anthony R. Thomas
Mr. Jeff Thomas
Mr. George H. Tsegeletos
Miss Naida Verbeek
Dr. James S. Whitehead
Mrs. Nome Wirick
Ms. Holley Wysong

Mrs. T. M. Zink

Family Members

Mr. Tom Adams
Lt. Col. Richard H. Allen
Mr. & Mrs. R. W. Anderson
Mrs. Catherine Bennett
Mr. & Mrs. Eugene P. Binnall
Mr. Malcolm Bond
Mr. Harry W. Camp
Mr. John S. Campbell
Mr. Irwin B. Cherniss
Mr. & Mrs. Joseph W. Cooper, Jr.
Mrs. Yutta L. Cosentino
Mr. Charles A. Dann
Prince & Princess Ranieri di San Faustino
The Dunning Family
Mr. Ron Eveslage
Mr. Thomas Finch
Rosella & Stan George
Dr. Kent N. Gershengorn
Mrs. Patricia Gillaspay
Mr. & Mrs. Keith Hadley
Kathy & Jim Hirsch
Mr. Robert W. Howell
Dr. & Mrs. Allan Kallmann

Mrs. Elizabeth H. Kemsley
Mr. Sverre C. Kloster
Mr. & Mrs. Elwood B. Lang
Mr. Karl A. Limbach
Dr. & Mrs. Martin Lorber
Mr. & Mrs. Gerald F. Luce
Mr. & Mrs. Leon Markel
SFC & Mrs. Eugene H. Marx
Mr. & Mrs. Michael Myers
Mr. & Mrs. Robert D. Orser
Mr. & Mrs. Eric L. Phillips
Mr. Carl Pruitt
Mr. Lloyd D. Richards
Mr. & Mrs. Charles J. Roberts
Dr. Richard R. Schellinger
Mrs. Katharyn Schilling
Mr. Jeff Schriebman
Mr. & Mrs. Richard Schultz
Mr. Ernest Solon
Mr. & Mrs. James Stockham
Mr. Roger W. Torrey
Mr. & Mrs. John Villett
Mrs. Edmond C. Ward
Mr. & Mrs. William A. Wren, Jr.
Mr. Thomas L. Wright

Mr. & Mrs. Marvin Zukor

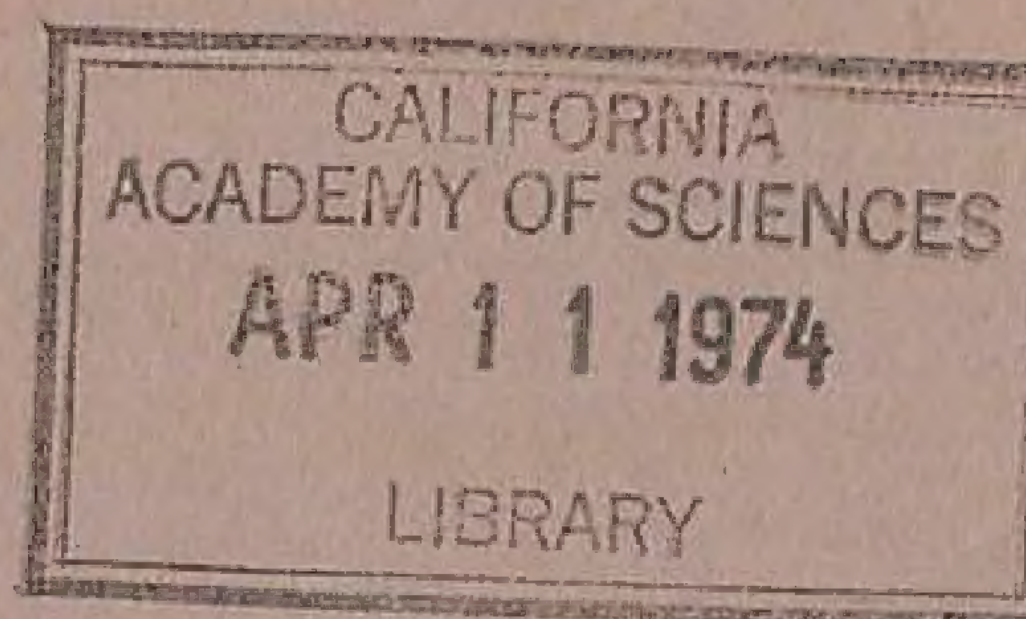
Contributing Members

Mr. Jerry Butzen
Mr. Kirby Ferlinghetti

Ms. Lynn Howard
Oceanic Society
Miss Anne M. Schwager

Non-Profit Organization
U. S. POSTAGE
PAID
San Francisco, Calif.
Permit No. 7544

Ref.
Q 11
C22
no. 412



CALIFORNIA ACADEMY
OF SCIENCES
NEWSLETTER

GOLDEN GATE PARK
SAN FRANCISCO 94118
(415) 221-5100

APRIL 1974

NO. 412

Printed on 100% Recycled Paper